

Commonwealth of Virginia

Department of Environmental Quality



Solid Waste Managed in Virginia During Calendar Year 2013



June 2014

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Solid Waste Managed in Virginia During Calendar Year 2013

EXECUTIVE SUMMARY

Section 10.1-1413.1 of the Code of Virginia requires the Department of Environmental Quality (DEQ) to prepare a report by June 30 of each year describing the amount of solid waste disposed of in the Commonwealth during the preceding calendar year. Facilities that have solid waste management permits are required to provide DEQ with information to prepare this report. As of June 17, 2014, 208 permitted facilities provided information on their activities for calendar year 2013 for this report.

Based on the facilities' reports, a total of 20,175,496.10 tons of solid waste was received at Virginia's permitted solid waste management facilities during calendar year 2013. Of this total, 14,959,136.46 tons originated in the Commonwealth and 5,216,359.64 tons originated from other jurisdictions.

Municipal solid waste (MSW) constituted 12,259,085.49 tons of the total amount of solid waste received during calendar year 2013. Of the total MSW received, 8,660,238.17 tons originated in the Commonwealth and 3,598,847.32 tons originated from other jurisdictions.

Five jurisdictions accounted for 98.08% of all waste received from out-of-state sources: Maryland (42.98%); New York (25.90%); Washington, D.C. (18.41%); New Jersey (5.71%); and North Carolina (5.08%).

During calendar year 2013, the total solid waste, MSW and construction/demolition/debris (CDD) waste received from out-of-state decreased by 3.01%, 1.69% and 2.95% respectively, compared to 2012 amounts. For waste originating in Virginia during the same period, the total solid waste and MSW waste received increased by 0.55% and 4.74% respectively and CDD decreased by 4.03% compared to 2012 amounts.

Of the solid waste managed in Virginia during the year, 72.80% or 12,324,873.60 tons were landfilled on-site, 12.80% or 2,167,565.59 tons were incinerated on-site, and the rest was managed by other means (see Table 3). Of all solid waste received at Virginia facilities during the year, 60.76% was MSW, 19.15% was CDD waste, and the remainder was other types of waste.

Permitted solid waste management facilities reported that 9.40% of the waste they managed was diverted from disposal by recycling or mulching; 0.84% of the total waste managed was composted.

Permitted facilities were required to report on their available capacity and the expected life of the facilities based on current disposal rates. This information shows that at current rates, the remaining available landfill capacity is as follows: MSW – 21.9 years; CDD – 15.9 years; and

non-captive industrial – 3.7 years. These projections do not account for population increases, changes in waste generation, or the closing of older MSW disposal units pursuant to statute.

At the option of the facility owner, Virginia Code § 10.1-1413.1 provides that the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located. Eight facilities provided such information for calendar year 2013.

Solid Waste Managed in Virginia During Calendar Year 2013

I. Introduction

This report has been prepared in accordance with Virginia Code § 10.1-1413.1, which requires DEQ to prepare a report by June 30 of each year describing the amount of solid waste disposed of in the Commonwealth during the preceding calendar year. All permitted facilities (except for captive waste management facilities) that treat, store or dispose of solid waste are required to provide DEQ with information in their possession as is reasonably necessary for DEQ to prepare this report. The requirements for reporting are set forth in the Virginia Administrative Code, 9VAC20-81-80.

II. Reporting Procedures

For each category of solid waste, permitted solid waste facilities in Virginia were asked to report the amount of waste that they received, amount of waste mined¹, the method by which the waste was managed, the jurisdiction where the waste originated, if known, and the facility's remaining capacity. A copy of the reporting table, DEQ Form 50-25, for furnishing information to DEQ is provided as Attachment 1.

The facilities identified amounts of solid waste by each of the following categories:

- municipal solid waste (MSW)
- construction/demolition/debris (CDD)
- industrial waste
- regulated medical waste (RMW)
- vegetative and yard waste (VW/YW)
- incineration ash
- sludge other than land applied in accordance with Virginia Code 62.1-44.19:3
- tires
- white goods (e.g., refrigerators, washing machines)
- friable asbestos
- petroleum-contaminated soil (PCS)
- other waste

The facilities also reported on each of the following methods of waste management:

- recycled on-site
- composted on-site
- landfilled on-site
- incinerated on-site
- sent off-site to be recycled

¹ Landfill mining is the excavation of previously landfilled materials.
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- sent off-site to be treated, stored or disposed
- stored on-site at the beginning of the reporting period
- stored on-site at the end of the reporting period
- mulched
- other

Facilities submit this data online or by paper copy to the appropriate DEQ Regional Office. Facilities may log online at the Virginia Solid Waste Information and Assessment (SWIA) webpage to submit data at

<http://www.deq.state.va.us/Programs/LandProtectionRevitalization/SolidHazardousWasteRegulatoryPrograms/SolidWaste/SolidWasteInformationandAssessmentProgram.aspx>.

For the facilities that provided information, 8.17% (17 facilities) submitted paper copies and 91.83% (191 facilities) submitted the information on-line.

This report does not include the waste management activities from captive waste management facilities because they are statutorily exempt from the reporting requirements. A captive facility is one that is located on property owned or controlled by the generator of the waste. Most captive waste management facilities in Virginia are industrial landfills or regulated medical waste facilities. As a result, the reported amounts of industrial waste, regulated medical waste and sludge represent only the portion that is managed in off-site facilities. In addition, this report does not reflect tires managed under the Waste Tire Trust Fund at facilities that do not require a permit.

Permitted solid waste management facilities reported that 9.40% of the waste they managed was diverted from disposal by recycling or mulching; 0.84% (142,191.07 tons) of the total waste managed was composted. Most recycling occurs at facilities other than permitted waste management facilities. Local governments provide more complete information on the recycling of waste generated in Virginia. For more detailed information about recycling rates in Virginia see the Calendar Year 2012 Virginia Annual Recycling Rate Report at:

<http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/RecyclingandLitterPreventionPrograms.aspx> The annual recycling report for calendar year 2013 will be issued later this year.

III. Receipt of Assessment Reports

By regulation, facilities must submit their reportable data by March 31 each year. Facilities are required to submit a separate reporting table for each jurisdiction from which they received waste during the prior year. Information from reporting tables received on or before June 17, 2014, has been included in this report. For 2013, 208 permitted facilities reported their activities. Last year, 206 facilities reported their activities for 2012. For a list of the facilities reporting this year, see Attachment 2. These facilities submitted 298 separate reporting tables, representing waste received from 26 states and jurisdictions (including Virginia and Washington, D.C.).

IV. Discussion of Reported Waste Management Activities

Table 1 summarizes the quantities of waste that facilities received and managed during 2013 by waste type and waste management method. As shown in the table, 20,175,496.10 tons of solid waste were received at Virginia's permitted solid waste management facilities during 2013. Municipal solid waste constituted 12,259,085.49 tons of the total amount of solid waste received.²

The column of Table 1 entitled "Landfilled" itemizes the quantity of solid waste disposed of at permitted solid waste landfills in the Commonwealth during calendar year 2013. The amount of solid waste landfilled during the year was 12,324,873.60 tons. This is a decrease of 1.11% from the 12,463,562.41 tons landfilled in 2012. The other columns of Table 1 indicate the quantity of waste managed by other methods.

Table 2 shows the quantities of solid wastes imported from outside Virginia. Five jurisdictions accounted for 98.08% of all waste received from out-of-state sources: Maryland (42.98%); New York (25.90%); Washington, D.C. (18.41%); New Jersey (5.71%); and North Carolina (5.08%).

Table 3 shows the percentage of each method of solid waste management used. Based on the management methods included in Table 3, the majority of solid waste managed in the Commonwealth during the year was landfilled on-site (72.80%) or incinerated (12.80%). Lesser amounts were reported as managed by recycling on-site and off-site (7.94%), mulched (1.46%), composted on-site (0.84%), stored on-site at the end of the year (1.34%), or other methods (2.82%). Mined materials (81,569.91 tons), waste stored at the facilities at the beginning of the year (204,331.83 tons), and waste that was sent off-site for treatment, storage, or disposal (4,101,390.96 tons) are not included in Table 3. Waste stored on-site at the beginning of the year is similar to waste received and is not considered a management method. Waste that was simply sent off-site to another permitted Virginia facility for treatment, storage or disposal would also be included in the receiving facility's reporting tables.

Table 4 shows the composition of the solid waste stream. Of all the solid waste received at Virginia facilities in 2013, 60.76% was MSW and 19.15% was CDD waste.

Table 5 shows the total quantity of waste received from the top five individual out-of-state jurisdictions.

Figure 1 compares the amount of waste received at facilities from out-of-state jurisdictions to the amount received from Virginia during 2013. Of the total amount of solid waste received (20,175,496.10 tons), approximately 14,959,136.46 tons originated in the Commonwealth, and 5,216,359.64 tons originated from other jurisdictions. Thus, of all the waste received at Virginia facilities in 2013, 25.85% originated from other jurisdictions.

² When referring to information from Table 1, "waste received" refers to information from the first column, and "waste managed" refers to information from the remaining columns on Form DEQ 50-25 except "mined materials" or as noted. The amount of waste "received" for each type of waste may not match the sum of the reported amounts identified for each method of waste management. This reflects information as submitted by facilities in the reporting tables. In particular, incinerators may properly include the ash that they generate as waste that is "sent off site," and not include it as waste that is "received" at that facility.

Of the total MSW received (12,259,085.49 tons), approximately 8,660,238.17 tons originated in the Commonwealth, and 3,598,847.32 tons originated from other jurisdictions. Of the total CDD received (3,864,578.76 tons), approximately 3,216,230.75 tons originated in the Commonwealth, and about 648,348.01 tons originated from other jurisdictions.

Figure 2 shows a comparison of total solid waste received from 2007 through 2013 from Virginia and out-of-state sources. Figure 3 shows the same comparison for MSW. The total amount of solid waste received at facilities during 2013 decreased by 0.40% (80,179.05 tons) below 2012 amounts. For out-of-state sources during 2013, the total waste decreased 3.01% (161,613.61 tons), MSW decreased by 1.69% (61,880.70 tons), and CDD decreased by 2.95% (19,704.89 tons) from 2012. For Virginia sources during the same period, the total waste increased 0.55% (81,434.56 tons), MSW increased by 4.74% (391,798.28 tons), and CDD decreased by 4.03% (134,936.91 tons). This report does not reflect the amount of solid waste exported from Virginia to other states. DEQ regulates only the treatment, storage, and disposal of solid waste within the Commonwealth. Virginia facilities and waste generators are not required to submit information on the amount of solid waste exported to other states.

V. Capacity Information

Permitted facilities that treat, store, or dispose of solid waste are required to report the available capacity, expected life and current disposal rates. Calculations for remaining years of landfill capacity do not account for population changes, changes in waste generation, or the future closings of older MSW disposal units under Virginia Code § 10.1-1413.2. Also, calculations do not include facilities that have not been built and are not accepting waste for which permits may have been issued. Attachment 3³ summarizes this information.

MSW landfills reported a total available capacity of 218,732,292.64 tons and a current disposal rate of 10,008,979.09 tons per year. Thus, at the current disposal rate, there would be approximately 21.9 years of available MSW landfill capacity in the Commonwealth. Last year, it was reported that there were approximately 21.7 years of remaining MSW disposal capacity.

CDD landfills reported a total available capacity of 32,845,024.20 tons and a current disposal rate of 2,061,463.68 tons per year. At the current disposal rate, there would be approximately 15.9 years of available CDD landfill capacity in the Commonwealth. Last year, it was reported that there were approximately 29.5 years of remaining CDD disposal capacity.⁴

Non-captive industrial landfills reported a total available capacity of 1,340,914.35 tons and a current disposal rate of 364,221.09 tons per year. At the current disposal rate, there would be approximately 3.7 years of remaining capacity. Last year, it was reported that there were approximately 4.6 years remaining capacity for non-captive industrial facilities.

³ Facilities report available capacity in cubic yards. The available capacity is estimated using the following conversion factors: 1,000 lbs. of MSW = 1 cu. yd.; 1,200 lbs. of CDD waste = 1 cu. yd.; and 1,000 lbs. of industrial waste = 1 cu. yd. The available capacity for individual facilities may vary, depending on factors such as a facility's compaction rate and use of daily cover materials. The last column in Attachment 3 sets forth the reported remaining life as estimated by individual facilities.

⁴ One CDD Landfill reported a significant higher available capacity for the previous year.
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VI. Reports of Economic Benefits

At the option of the facility owner, Virginia Code § 10.1-1413.1 provides that the data collected may include an accounting of the facility's economic benefits to the locality where the facility is located. This may include the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year. Eight facilities provided such information for 2013. See Attachment 4 for details.

Table 1 – Solid Waste Managed in Virginia – 2013 (in Tons)

Waste Type	Total Waste Received ⁵	Mined Materials	Onsite Management of Waste						Sent Offsite to be:		Stored Onsite	
			Landfilled	Recycled ⁶	Composted	Incinerated	Mulched	Other ⁷	Recycled	Treated, Stored, Disposed	Beginning of Year	End of Year
Municipal Solid Waste	12,259,085.49	21,589.27	7,237,342.12	603.00	2,177.57	2,156,991.91	0.00	11,029.01	92,230.07	2,764,208.36	13,569.00	22,661.72
Construction/Demolition/Debris	3,864,578.76	59,980.64	2,446,104.37	468,637.50	0.00	0.00	36,234.70	30,007.48	262,145.84	684,286.74	68,072.85	65,215.37
Industrial Waste	1,133,979.55	0.00	1,024,046.85	0.00	14,011.00	10,573.68	0.00	9,703.88	21,759.29	53,872.29	0.00	12.56
Regulated Medical Waste	6,813.13	0.00	0.00	0.00	0.00	0.00	0.00	4,467.34	0.00	2,345.79	0.00	0.00
Vegetative/Yard Waste	424,970.51	0.00	28,671.15	20.00	102,905.24	0.00	210,226.26	18,177.39	41,372.69	11,628.90	100,720.39	107,741.22
Incineration Ash	774,498.32	0.00	614,503.79	0.00	0.00	0.00	0.00	159,294.89	32,353.82	540,824.94	0.00	0.00
Sludge	502,611.27	0.00	478,201.12	838.83	21,816.48	0.00	0.00	0.00	0.00	1,754.84	0.00	0.00
Tires	99,958.86	0.00	4,780.76	14,263.09	0.00	0.00	0.00	9,965.58	66,480.38	5,487.58	7,078.93	6,063.40
White Goods	18,671.32	0.00	0.00	209.00	0.00	0.00	0.00	0.00	18,299.40	145.00	155.41	173.33
Friable Asbestos	4,908.34	0.00	4,865.23	0.00	0.00	0.00	0.00	0.00	0.00	39.75	3.44	6.80
Petroleum Contaminated Soil	422,271.13	0.00	363,180.60	0.00	0.00	0.00	0.00	29,818.51	30,388.00	30.02	6,415.50	5,269.50
Other Waste	663,149.43	0.00	123,177.61	90,432.07	1,280.78	0.00	78.72	204,788.75	202,770.98	36,766.75	8,316.32	20,384.70
Total	20,175,496.10	81,569.91	12,324,873.60	575,003.49	142,191.07	2,167,565.59	246,539.68	477,252.83	767,800.47	4,101,390.96	204,331.83	227,528.60

⁵ The amount of “Total Waste Received” and “Stored Onsite at the Beginning of the Year” may not precisely match the sum of the reported amounts for the remaining columns (i.e., each method of managing the waste). This difference reflects information submitted in the reporting tables. In particular, incineration ash generated by an energy recovery facility or incinerator may be listed as “sent off site to be treated, stored, or disposed” even though it was not “received” as ash at that facility. The total waste managed may be greater than the waste received due to ash generated at a facility. Vegetative/Yard Waste may be composted to produce a product that is not managed as waste.

⁶ The majority of recycling takes place at facilities that do not require a permit from the Department and were not required to submit data for this report. Therefore, the amounts shown in this column represent a substantial underestimate of the true recycling rate in the Commonwealth. The annual recycling rate report for calendar year 2013 will be issued later this year.

⁷ “Other” methods of management may include steam sterilization of medical waste, approved use of shredded tires at permitted facilities, and thermal treatment of petroleum contaminated soil, among others.

Table 2 – Jurisdiction of Origin of Waste Received – 2013 (in Tons)

State	MSW	CDD	Industrial	RMW	VW/YW	Incineration Ash	Sludge	Tires	White Goods	Friable Asbestos	PCS	Other Waste	Total Received
Alabama	0.00	0.00	108.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.36
Colorado	0.00	0.00	55.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.78
Connecticut	1,330.00	0.00	3,886.98	0.00	0.00	0.00	4,807.00	0.00	0.00	0.00	0.00	0.00	10,023.98
Delaware	22,613.07	980.60	4,901.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,801.03	174.74	32,471.31
District of Columbia	789,144.19	113,412.60	29,679.28	0.00	1,020.00	0.00	15,627.24	7.91	0.00	1,222.87	5,798.09	4,514.06	960,426.24
Florida	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25
Georgia	0.00	0.00	137.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137.24
Kentucky	0.00	0.00	112.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112.47
Maryland	1,228,725.90	530,952.87	152,793.56	36.00	3,926.00	170,612.79	78,009.10	688.60	0.00	385.35	19,602.74	56,003.32	2,241,736.23
Massachusetts	5,916.00	6.95	29.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,952.73
Mississippi	0.00	0.00	272.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	272.65
Missouri	0.00	0.00	173.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.66
New Hampshire	0.00	0.00	30.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.90
New Jersey	98,180.46	58.45	117,071.83	0.00	0.00	0.00	82,406.48	0.00	0.00	0.00	0.00	49.84	297,767.06
New York	1,309,582.98	0.00	666.51	0.00	0.00	0.00	40,649.47	0.00	0.00	0.00	0.00	0.00	1,350,898.96
North Carolina	98,352.95	623.41	104,603.69	5.00	0.00	0.00	23.92	7,620.71	0.00	3.02	370.62	53,144.94	264,748.26
Ohio	0.00	0.00	154.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.54	195.78
Pennsylvania	6,667.40	921.08	674.78	2.00	0.00	0.00	268.48	0.00	0.00	0.00	0.00	285.82	8,819.56
Rhode Island	22.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00
South Carolina	937.14	0.00	810.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,747.25
Tennessee	23,369.61	1,392.05	271.76	108.00	842.39	0.00	108.92	135.08	0.00	0.00	0.00	241.32	26,469.13
Texas	0.00	0.00	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	7.73
Vermont	0.00	0.00	60.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.42
Washington	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60
West Virginia	14,005.62	0.00	24.23	87.00	0.00	0.00	0.00	0.00	0.00	0.00	4.24	0.00	14,121.09
Total from Other States	3,598,847.32	648,348.01	416,528.24	238.00	5,788.39	170,612.79	221,900.61	8,452.30	0.00	1,611.24	29,576.72	114,456.02	5,216,359.64
Total from Virginia	8,660,238.17	3,216,230.75	717,451.31	6,575.13	419,182.12	603,885.53	280,710.66	91,506.56	18,671.32	3,297.10	392,694.41	548,693.41	14,959,136.46
Total from All States	12,259,085.49	3,864,578.76	1,133,979.55	6,813.13	424,970.51	774,498.32	502,611.27	99,958.86	18,671.32	4,908.34	422,271.13	663,149.43	20,175,496.10

Table 3 – Methods of Solid Waste Management – 2013 (in Tons)

Methods of Solid Waste Management		
	Amount Managed (in Tons)	Percentage
Landfilled On-Site	12,324,873.60	72.80%
Incinerated On-Site	2,167,565.59	12.80%
Sent Off-Site to be Recycled	767,800.47	4.54%
Recycled On-Site	575,003.49	3.40%
Other	477,252.83	2.82%
Mulched	246,539.68	1.46%
Stored On-Site End of Year	227,528.60	1.34%
Composted On-Site	142,191.07	0.84%
Waste Management Total	16,928,755.33	

Note: The basis for determining these percentages is the sum for all methods of waste management (recycled, composted, landfilled, etc.) in Table 1, with the exception of: (1) waste stored on-site at the beginning of the year (which is similar to waste received) and (2) waste that was sent off-site for treatment, storage or disposal (i.e., waste that was simply transferred to another facility for ultimate management). Accounting for those two exceptions, the basis for these percentages is 16,928,755.33 tons. Facilities that mine landfill materials report how much material was mined and how it was managed.

Table 4 – Composition of the Solid Waste Stream – 2013 (in Tons)

Composition of the Solid Waste Stream		
	Amount (in Tons)	Percentage
Municipal Solid Waste	12,259,085.49	60.76%
Construction/Demolition/Debris	3,864,578.76	19.15%
Industrial Waste	1,133,979.55	5.62%
Incineration Ash	774,498.32	3.84%
Other Waste	663,149.43	3.29%
Sludge	502,611.27	2.49%
Vegetative/Yard Waste	424,970.51	2.11%
Petroleum Contaminated Soil	422,271.13	2.09%
Tires	99,958.86	0.50%
White Goods	18,671.32	0.09%
Regulated Medical Waste	6,813.13	0.03%
Friable Asbestos	4,908.34	0.02%
Total	20,175,496.10	

Table 5 –Waste Received from Out-of-State Jurisdictions – 2013 (in Tons)

Top 5 States

State	Tons	Percentage
Maryland	2,241,736.23	42.98%
New York	1,350,898.96	25.90%
District of Columbia	960,426.24	18.41%
New Jersey	297,767.06	5.71%
North Carolina	264,748.26	5.08%
Total	5,115,576.75	98.08%

Note: See Table 2 for more details.

Figure 1 – Solid Waste Received from Virginia and Other Jurisdictions – 2013 (in Tons)

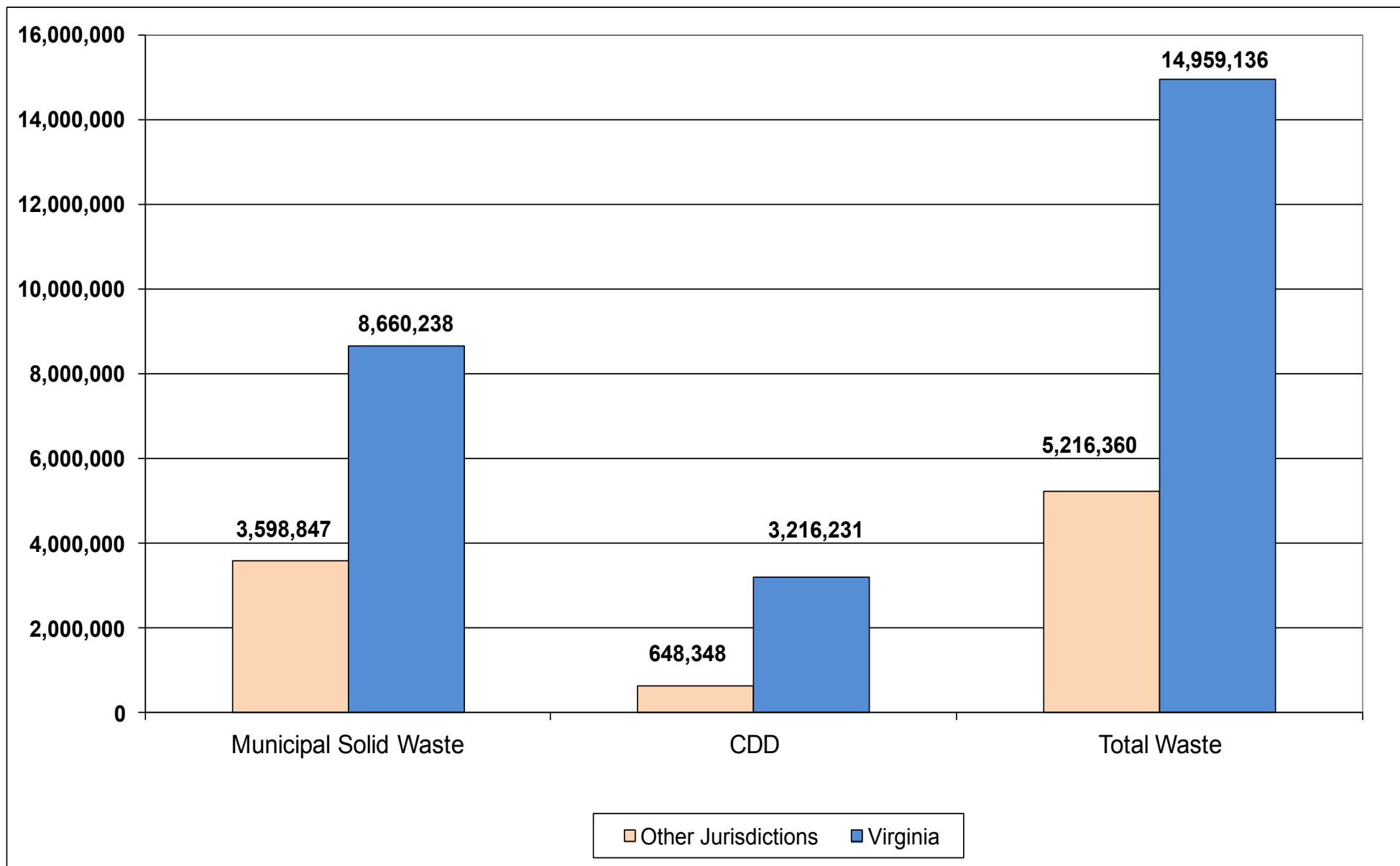


Figure 2 – Total Solid Waste Received from 2007 through 2013

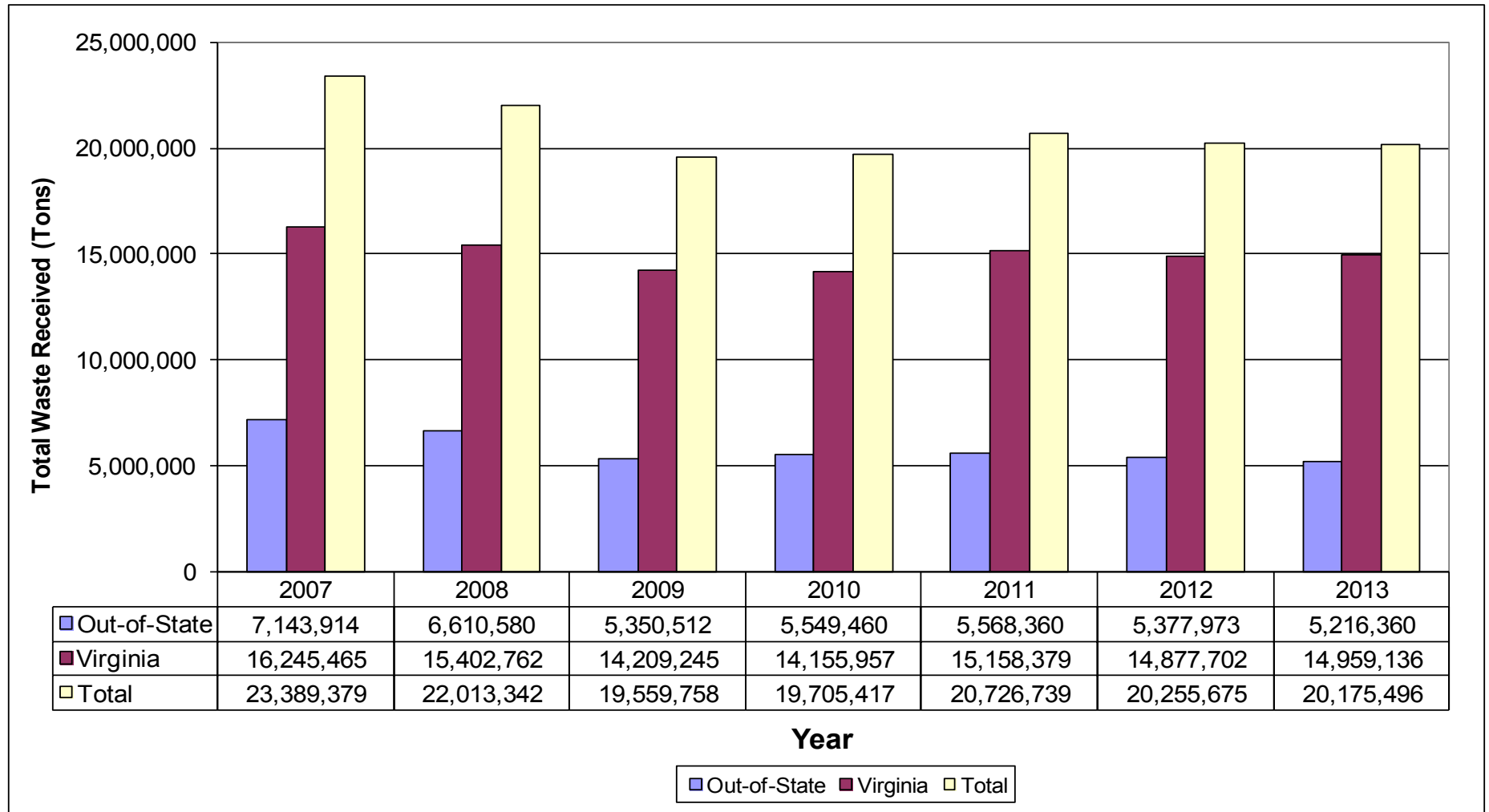
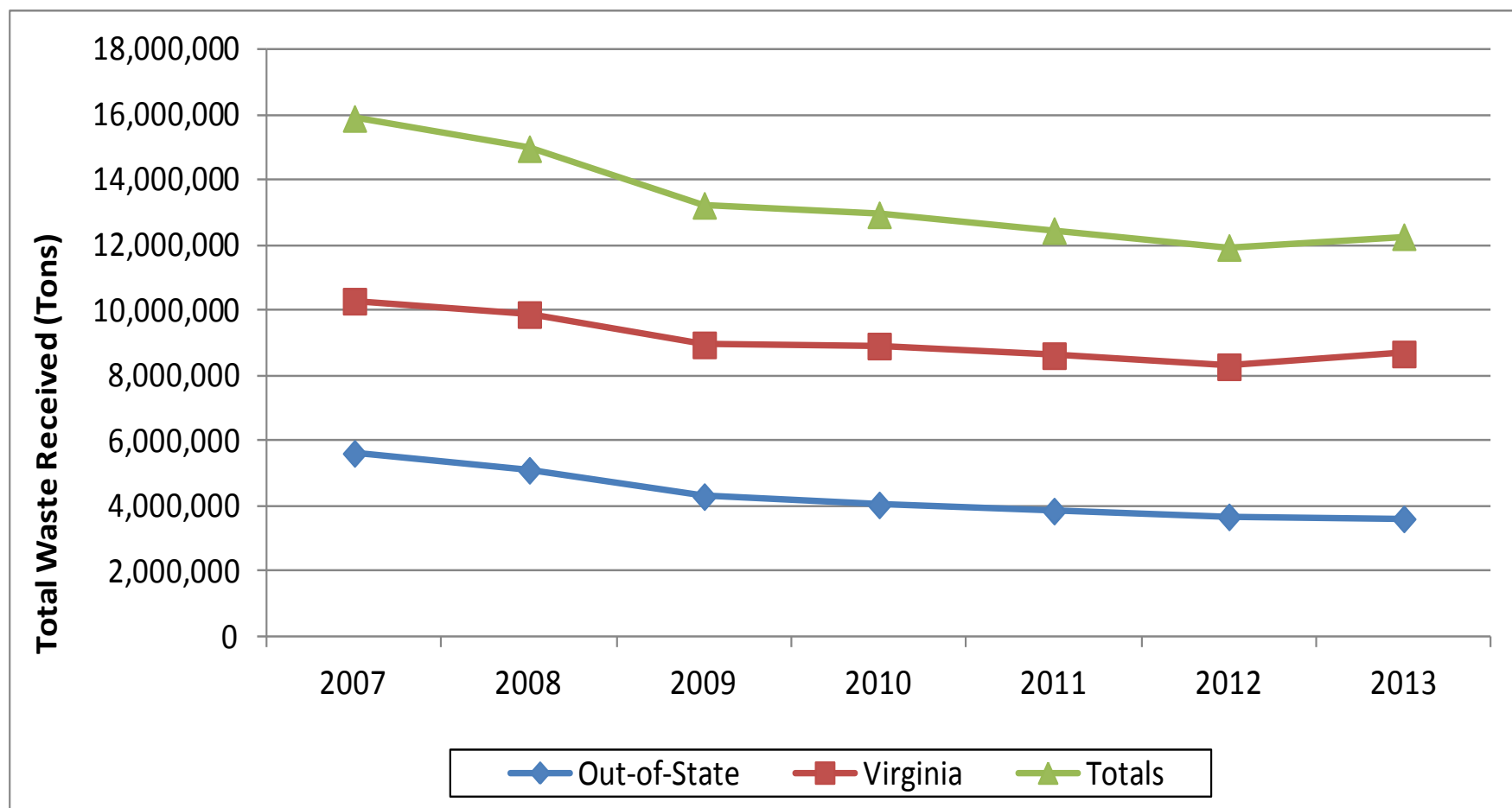


Figure 3 – Municipal Solid Waste Received from 2007 through 2013



Attachment 1 – Reporting Table

SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

1	Facility Name			
2	Permit Number	3 Date Submitted to DEQ	4 Annual Reporting Period	
5	Preparer's First Name	Middle Initial	Last Name	6 Telephone
7	Preparer's E-mail Address			
8	Has there been a change to the Annual Fee Billing Contact, Address or Telephone Number? <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Contact First Name	Last Name		Contact Phone
	Address			E-Mail
	City	State	Zip Code	
9A	Remaining Permitted Capacity	Cubic Yards	If a facility's permitted capacity is reported in tons, please note this below in Facility Comments. DEQ will apply conversion factors based on the type of waste in order to calculate the volume and the number of years of permitted capacity available in the state.	
9B	Expected Remaining Permitted Life	Years		
10	Does facility have active scales? <input type="checkbox"/> Yes or <input type="checkbox"/> No Note: facilities with no active scales must enter the total amount landfilled in cubic yards.			Total amount landfilled in cubic yards for all jurisdictions
11	Originating Jurisdiction		11A Statement of Economic Benefits submitted? <input type="checkbox"/> Yes or <input type="checkbox"/> No	
12	Facilities landfilling VA incineration ash		Use the supplemental form to provide the facility from which ash was received and the amount.	

Waste amounts measured in : ☐ Tons or ☐ Cubic Yards

Waste Type	Total Amount of Waste Received (a)	Mined Materials (b)	On-site Management of Waste						Sent Off-site to be: (i)		Stored On-site (j)	
			Landfilled (c)	Recycled (d)	Composted (e)	Incinerated (f)	Mulched (g)	Other (h)	Recycled	Treated, Stored, Disposed	Beginning of Reporting Period	End of Reporting Period
13	Municipal Solid Waste											
14	Construction/ Demolition/Debris											
15	Industrial Waste											
16	Regulated Medical Waste											
17	Vegetative/Yard Waste											
18	Incineration Ash											
19	Sludge											
20	Tires											
21	White Goods											
22	Friable Asbestos											
23	Petroleum Contaminated Soil											
24	Other Wastes (specify)											
25	Total											

Facility Comments

Complete a separate form for each jurisdiction.

See the instructions for completing Form DEQ 50-25. A separate form is provided for the optional Statement of Economic Benefits.

Revised 11/26/2012

SUPPLEMENTAL SOLID WASTE INFORMATION AND ASSESSMENT PROGRAM REPORTING TABLE - FORM DEQ 50-25

Only those facilities that landfill Virginia incineration ash provide this information.

Permit Number	Annual Reporting Period
Facilities landfilling VA incineration ash: Received from Permit No., Facility Name	VA ash amount measured in
	<input type="checkbox"/> Tons <input type="checkbox"/> Cubic Yards

Facility Comments

<p>Facilities should use the same units of measure (Cubic Yards or Tons) for Rows 12 - 24. Facilities that do not landfill VA incineration ash do not complete this supplemental form. See the instructions for completing Form DEQ 50-25.</p>
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Revised 11/26/2012

Note: Facilities submit data on-line or send a paper copy to the appropriate DEQ Regional Office. Facilities may log on-line at the Virginia Solid Waste Information and Assessment (SWIA) page to review instructions and submit data at

<http://www.deq.state.va.us/Programs/LandProtectionRevitalization/SolidHazardousWasteRegulatoryPrograms/SolidWaste/SolidWasteInformationandAssessmentProgram.aspx>.

Attachment 2 – List of Facilities Reporting – 2013

Facility Name	Permit Number	Region
623 Landfill	PBR009	PRO
623 Landfill	SWP506	PRO
Accomack County - Northern Landfill 2	PBR112	TRO
Accomack County - Northern Landfill 2	SWP461	TRO
Accomack County - Southern Landfill	PBR090	TRO
Accomack County - Southern Landfill	SWP091	TRO
Alleghany County - Transfer Station	PBR103	BRRO
Amherst County Landfill Permit Number 563	SWP563	BRRO
AMRF Incorporated	PBR544	NRO
Aqua Clean Environmental of Virginia	PBR052	PRO
Arlington County - Department of Human Services	PBR206	NRO
Ashcake Road Landfill, Inc.	SWP574	PRO
Atlantic Recycling Technologies LLC	PBR592	PRO
Atlantic Waste Disposal Landfill	SWP562	PRO
Augusta Regional Landfill	SWP585	VRO
B&H Sales Corp	PBR567	TRO
Bath County Transfer Station	PBR045	VRO
Battle Creek Landfill	SWP579	VRO
Bay Disposal & Recycling	PBR588	TRO
Bay Disposal Incorporated MRF	PBR504	TRO
Bedford County – Sanitary Landfill	SWP560	BRRO
Bedford County – Transfer Station	PBR031	BRRO
Bedford Town – Hylton Site	PBR529	BRRO
Bedford Town Hylton Site	SWP569	BRRO
BFI Fredericksburg Recyclery	PBR107	NRO
BFI King and Queen Landfill	SWP554	PRO
BFI Old Dominion Landfill	SWP553	PRO
BFI Transfer - Fluvanna Transcyclery	PBR099	VRO
BFI Waste Systems LLC - Roanoke	PBR105	BRRO
Black Bear Composting	PBR589	VRO
Blue Ridge Disposal Incorporated	PBR104	BRRO
Boissevain Transfer Station	PBR004	SWRO
Botetourt County Landfill	SWP582	BRRO
Bristol Materials Recovery Facility	PBR116	SWRO
Bristol Quarry Sanitary Landfill	SWP588	SWRO
Bristol Sanitary Landfill	SWP498	SWRO

List of Facilities Reporting – 2013

Facility Name	Permit Number	Region
Bristol Solid Waste Transfer Station	PBR121	SWRO
Bristol Wood Waste Incinerator	PBR074	SWRO
Bristol Yard Waste Composting Facility	PBR525	SWRO
Broad Run Recycling	PBR536	NRO
Brunswick Waste Management Facility LLC	SWP583	PRO
Buchanan County Transfer Station	PBR106	SWRO
C3 Holdings Limited Liability Company	PBR560	NRO
Carroll Grayson Galax Regional Landfill	SWP508	SWRO
Carroll Grayson Galax Regional Landfill 2	SWP605	SWRO
Cedar Bluff Transfer Station	PBR002	SWRO
Centerville Turnpike CDD Landfill	SWP603	TRO
CFP Limited Liability Corporation	PBR521	NRO
City of Harrisonburg - Resource Recovery Facility	PBR513	VRO
Clearfield MMG Inc - Chesapeake	PBR510	TRO
Clearfield MMG Inc - Suffolk	PBR155	TRO
Country South LLC - CDD Landfill	SWP581	BRRO
County Waste, LLC	PBR516	PRO
Covanta Alexandria Arlington Incorporated	PBR551	NRO
Covanta Fairfax Incorporated	PBR545	NRO
Covington City - Peters Mountain Landfill	SWP594	BRRO
Craig County - Transfer Station	PBR508	BRRO
Danville City - Yard Waste Composting Facility	PBR010	BRRO
Dickenson County Transfer Station	PBR049	SWRO
Disposal and Recycling Services of Lunenburg	SWP544	BRRO
DOC Powhatan Correctional Center	PBR175	PRO
Emanuel Tire of Virginia	PBR547	BRRO
Emanuel Tire of Virginia – Waverly	PBR595	PRO
Environmental Options Inc	PBR153	BRRO
Fauquier County CDD MRF	PBR528	NRO
Fauquier County Solid Waste Management Facility	SWP149	NRO
Fauquier County Solid Waste Management Facility	SWP575	NRO
First Piedmont Corp – Martinsville TS	PBR520	BRRO
First Piedmont Corp – Ringgold	PBR196	BRRO
First Piedmont Corp – Ringgold	SWP065	BRRO
Floyd County – Transfer Station	PBR050	BRRO

List of Facilities Reporting – 2013

Facility Name	Permit Number	Region
Franklin County – Sanitary Landfill	SWP072	BRRO
Franklin County – Sanitary Landfill	SWP577	BRRO
Frederick County Landfill	SWP529	VRO
Frederick County Landfill	SWP591	VRO
Green Earth Materials Recovery Facility	PBR549	VRO
Green Zone Investments, LLC	PBR556	PRO
Greene County Transfer Station	PBR509	VRO
Greensville County Landfill	SWP405	PRO
Halifax County Transfer Station Facility	PBR539	BRRO
Hampton City – NASA Steam Plant	SWP297	TRO
Hanover County – 301 Solid Waste Facility	PBR189	PRO
Hanover County – 301 Solid Waste Facility	PBR512	PRO
Harborton Solid Waste Receiving Facility	PBR527	TRO
Harold Beasley Inc	PBR198	BRRO
Henrico County DPU Springfield Rd Waste Management	SWP545	PRO
Higgerson Buchanan Incorporated	SWP493	TRO
Hilltop Sand and Gravel Company Incorporated	SWP326	NRO
Interstate 66 – Solid Waste Management Facility	PBR555	NRO
Interstate 95 Landfill	SWP103	NRO
Ivy Materials Utilization Center	PBR132	VRO
J and E Recycling Materials Recovery Facility	PBR537	NRO
James City County Transfer Station	PBR021	TRO
John C Holland Enterprises Inc	SWP280	TRO
King George Landfill & Recycling Center	SWP586	NRO
Laurel Valley Center- Culpeper County	PBR140	NRO
LCM Corp – Transfer Station	PBR136	BRRO
Lee County Solid Waste Transfer Station	PBR070	SWRO
LFF Recycling Incorporated	PBR102	NRO
Lorton Construction Landfill	SWP331	NRO
Loudoun Composting	PBR141	NRO
Loudoun County Sanitary Landfill	SWP001	NRO
Louisa County Sanitary Landfill	SWP194	NRO
Louisa County Sanitary Landfill	SWP567	NRO
Madison County Landfill and Transfer Station	PBR154	NRO
Map Tech Compost Facility	PBR526	SWRO
Maplewood Recycling and Waste Disposal	SWP540	PRO

List of Facilities Reporting – 2013

Facility Name	Permit Number	Region
Microbac Laboratories Incorporated	PBR505	NRO
Middle Peninsula Landfill	PBR125	PRO
Middle Peninsula Landfill	SWP572	PRO
Montgomery Regional Solid Waste Authority	PBR149	BRRO
Montgomery Regional Solid Waste Authority	PBR559	BRRO
MXI Environmental Services LLC	PBR180	SWRO
Nelson County Landfill	PBR051	VRO
New River Resource Authority Solid Waste Facility	SWP548	BRRO
New River Tire Recycling – Hillsville	PBR573	SWRO
Newport News City – Yard Waste Compost Facility No 1	PBR096	TRO
Northampton County – Transfer Station	PBR540	TRO
Nottoway County Sanitary Landfill-Blackstone	SWP304	BRRO
Orange County Sanitary Landfill	SWP090	NRO
Orange County Sanitary Landfill	SWP566	NRO
Patrick County Solid Waste Transfer Station	PBR032	BRRO
Pittsylvania County Sanitary Landfill	SWP571	BRRO
Poplar Manor Enterprises LLC	PBR553	BRRO
Port Tobacco at Weanack	PBR507	PRO
Portsmouth City - Craney Island Landfill	SWP041	TRO
Potomac CDD Landfill	SWP441	NRO
Potomac Landfill Incorporated CDD MRF	PBR101	NRO
Prince Edward County Sanitary Landfill	SWP584	BRRO
Prince William County – Balls Ford Yard Waste	PBR030	NRO
Prince William County Sanitary Landfill	SWP029	NRO
Purgo Incorporated	PBR046	PRO
Rainwater Landfill	SWP327	NRO
Rappahannock Regional Solid Waste Management Board	SWP589	NRO
Recycling and Disposal Solutions of VA – Roanoke	PBR594	BRRO
Recycling and Disposal Solutions of Virginia (RDS)	PBR558	TRO
Region 2000 Regional Landfill – Livestock Rd Facility	SWP610	BRRO
Region 2000 Services Authority – Concord Turnpike	SWP558	BRRO
Resource Management Group LLC	PBR565	BRRO
Richmond City Hopkins Road Transfer Station	PBR160	PRO
Roanoke Valley Resource Authority Transfer Station	SWP546	BRRO
Rockbridge County Landfill	SWP075	VRO
Rockingham County Sanitary Landfill	SWP062	VRO

List of Facilities Reporting – 2013

Facility Name	Permit Number	Region
Royal Oak Farm Solid Waste Composting Facility	SWP601	BRRO
Russell County Solid Waste Transfer Station	PBR001	SWRO
S. B. Cox Recycling Center MRF	PBR546	PRO
S. B. Cox Yorktown Recycling Center	PBR572	TRO
Salem City – New Transfer Station	PBR501	BRRO
Scott County Transfer Station	PBR548	SWRO
Shenandoah County Landfill – Edinburg	SWP469	VRO
Shoosmith Sanitary Landfill	PBR571	PRO
Shoosmith Sanitary Landfill	SWP587	PRO
Smith Gap Regional Landfill	SWP555	BRRO
Smyth County Transfer Station	PBR041	SWRO
Spivey Disposal LLC	PBR533	TRO
Spotsylvania County Livingston Sanitary Landfill	SWP547	NRO
SPSA – Boykins Transfer	SWP484	TRO
SPSA – Chesapeake Transfer	PBR194	TRO
SPSA – Franklin Transfer Station	PBR192	TRO
SPSA – Isle Of Wight Transfer Station	PBR193	TRO
SPSA – Ivor Transfer Station	SWP539	TRO
SPSA – Landstown Transfer	PBR191	TRO
SPSA – Norfolk Transfer Station	PBR195	TRO
SPSA – Oceana Transfer Station	PBR190	TRO
SPSA – Regional Landfill	PBR072	TRO
SPSA – Regional Landfill	PBR518	TRO
SPSA – Regional Landfill	SWP417	TRO
SRPSA – Butcher Creek Sanitary Landfill	SWP598	BRRO
Stericycle Chesterfield RMW Transfer Station	PBR517	PRO
Taylor Road Landfill	SWP270	PRO
Tazewell County Landfill	SWP564	SWRO
TFC Recycling	PBR568	TRO
The East End Landfill	SWP524	PRO
The Sustainability Park LLC	PBR532	PRO
The Sustainability Park LLC	PBR543	PRO
Thomas Brothers Debris Landfill	SWP445	BRRO
Tidewater Green Corporation	PBR554	TRO
Tri City Regional Disposal and Recycling Services	PBR590	PRO
Tri City Regional Disposal and Recycling Services	SWP228	PRO
United Disposal Incorporated	PBR522	TRO

List of Facilities Reporting – 2013

Facility Name	Permit Number	Region
US Central Intelligence Agency - George Bush Center	PBR173	NRO
US Department of Defense - Pentagon	PBR197	NRO
US Navy - Norfolk Naval Shipyard	PBR135	TRO
USA Waste of Virginia Landfills - Bethel	SWP580	TRO
Virginia Beach City - Landfill No 2	SWP398	TRO
Virginia Health Care Waste Transportation Inc	PBR143	BRRO
Virginia Materials Incorporated - Norfolk	PBR117	TRO
Virginia Recycling Corporation	PBR039	PRO
VPPSA - YWCF - York County	PBR013	TRO
W and N Material Recovery Facility	PBR563	NRO
Warren County - Transfer Station	PBR033	VRO
Washington County Solid Waste Landfill	PBR003	SWRO
Waste Industries LLC	PBR077	TRO
Waste Management Charles City Landfill	SWP531	PRO
Waste Management of Virginia - Leesburg	PBR006	NRO
Waste Management of Virginia - Manassas	PBR091	NRO
Waste Management of Virginia - Merrifield	PBR111	NRO
Waste Management of Virginia - Sterling	PBR093	NRO
Waterway Marine Terminal	PBR506	TRO
Watkins Nurseries Incorporated	PBR181	PRO
Westmoreland County - Montross Transfer Station	PBR069	PRO
Wheelabrator Portsmouth Inc - Waste to Energy Facility	PBR500	TRO
Wise County Blackwood Transfer Station	PBR524	SWRO
Wise County Landfill	SWP513	SWRO
Wythe/Bland Solid Waste Transfer Station	PBR044	SWRO
York County Transfer Station	PBR022	TRO
Zion Crossroads Recycling Center dba van der Linde Recycling	PBR531	VRO
Zion Crossroads Recycling Center dba van der Linde Recycling	PBR561	VRO

Total Count: 208

Regional Offices

BRRO - Blue Ridge
NRO - Northern Virginia

PRO - Piedmont
SWRO - Southwest

TRO- Tidewater
VRO - Valley

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2013

MSW					
Facility Name	Permit Number	Landfill Type	Capacity in Tons as of 12/2013	Landfilled in 2013 (Tons)	Expected Remaining Life (Yrs)
MSW Landfills					
1 Accomack County - Northern Landfill 2	SWP461	MSW	122,337.50	23,233.00	4.85
2 Accomack County - Southern Landfill	SWP091	MSW	0.00	0.00	0
3 Amherst County Landfill Permit Number 563	SWP563	MSW	439,047.32	22,199.51	23.74
4 Atlantic Waste Disposal Landfill	SWP562	MSW	40,808,523.00	1,357,304.47	71.6
5 Augusta Regional Landfill	SWP585	MSW	4,599,352.00	114,529.00	36.8
6 Battle Creek Landfill	SWP579	MSW	1,367,774.50	46,707.85	33
7 Bedford County – Sanitary Landfill	SWP560	MSW	257,115.50	39,769.00	7.2
8 Bedford Town – Hylton Site	SWP569	MSW	10,000.00	4,168.51	3
9 BFI King and Queen Landfill	SWP554	MSW	9,441,589.50	598,963.44	29.8
10 BFI Old Dominion Landfill	SWP553	MSW	2,546,103.50	452,496.44	6.2
11 Botetourt County Landfill	SWP582	MSW	16,419.50	280.00	55
12 Bristol Quarry Sanitary Landfill	SWP588	MSW	2,364,562.00	151,256.88	32
13 Bristol Sanitary Landfill	SWP498	MSW	0.00	0.00	7
14 Brunswick Waste Management Facility LLC	SWP583	MSW	10,385,461.00	191,868.06	197
15 Carroll Grayson Galax Regional Landfill	SWP508	MSW	0.00	0.00	0.00
16 Carroll Grayson Galax Regional Landfill 2	SWP605	MSW	145,952.00	36,218.12	4
17 Covington City - Peters Mountain Landfill	SWP594	MSW	399,403.13	6,266.42	63.73
18 Disposal and Recycling Services of Lunenburg	SWP544	MSW	222,578.00	86,079.51	1.5
19 Fauquier County Solid Waste Management Facility	SWP149	MSW	0.00	0.00	0
20 Fauquier County Solid Waste Management Facility	SWP575	MSW	354,372.50	52,239.00	7
21 Franklin County - Sanitary Landfill	SWP072	MSW	87,045.00	39,834.00	4
22 Franklin County - Sanitary Landfill	SWP577	MSW	1,812,329.50	8,658.00	35
23 Frederick County Landfill	SWP529	MSW	6,641,090.50	108,523.46	32
24 Greenville County Landfill	SWP405	MSW	224,157.77	20,515.58	15.88
25 Henrico County DPU Springfield Rd Waste Management	SWP545	MSW	130,287.00	85,661.00	1.5
26 Interstate 95 Landfill	SWP103	MSW	4,102,977.00	307,852.90	31.8
27 King George Landfill & Recycling Center	SWP586	MSW	9,519,264.00	1,244,476.20	14.6
28 Loudoun County Sanitary Landfill	SWP001	MSW	11,344,410.50	126,237.00	100

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2013

	Facility Name	Permit Number	Landfill Type	Capacity in Tons as of 12/2013	Landfilled in 2013 (Tons)	Expected Remaining Life (Yrs)
	MSW Landfill					
29	Louisa County Sanitary Landfill	SWP194	MSW	0.00	6,617.89	0
30	Louisa County Sanitary Landfill	SWP567	MSW	524,226.73	8,804.13	30
31	Maplewood Recycling and Waste Disposal	SWP540	MSW	17,364,025.00	240,839.86	126.5
32	Middle Peninsula Landfill	SWP572	MSW	17,770,606.50	422,148.21	90.4
33	New River Resource Authority Solid Waste Facility	SWP548	MSW	1,036,174.50	119,163.58	6.5
34	Nottoway County Sanitary Landfill-Blackstone	SWP304	MSW	329,788.24	18,814.84	12
35	Orange County Sanitary Landfill	SWP090	MSW	0.00	1,220.33	0
36	Orange County Sanitary Landfill	SWP566	MSW	0.00	21,225.71	0
37	Pittsylvania County Sanitary Landfill	SWP571	MSW	510,751.11	38,157.31	22
38	Prince Edward County Sanitary Landfill	SWP584	MSW	29,071.45	22,805.94	2.28
39	Prince William County Sanitary Landfill	SWP029	MSW	2,814,870.00	324,037.00	12
40	Rappahannock Regional Solid Waste Management Board	SWP589	MSW	7,905,335.00	121,388.00	55
41	Region 2000 Regional Landfill - Livestock Rd Facility	SWP610	MSW	542,162.50	204,048.23	3
42	Region 2000 Services Authority - Concord Turnpike	SWP558	MSW	102,134.00	3,580.53	0.6
43	Rockbridge County Landfill	SWP075	MSW	43,472.50	39,162.31	1
44	Rockingham County Sanitary Landfill	SWP062	MSW	645,000.00	103,073.35	7.2
45	Shenandoah County Landfill - Edinburg	SWP469	MSW	2,205,346.50	38,774.00	34.8
46	Shoosmith Sanitary Landfill	SWP587	MSW	7,550,000.00	1,351,993.00	12
47	Smith Gap Regional Landfill	SWP555	MSW	5,426,328.00	149,494.60	39
48	Spotsylvania County Livingston Sanitary Landfill	SWP547	MSW	776,000.00	101,799.48	8.1
49	SPSA - Regional Landfill	SWP417	MSW	2,586,804.50	257,335.24	18
50	SRPSA - Butcher Creek Sanitary Landfill	SWP598	MSW	2,755,998.60	65,650.94	33
51	Tazewell County Landfill	SWP564	MSW	866,908.50	58,341.46	14
52	Tri City Regional Disposal and Recycling Services	SWP228	MSW	60,512.00	216,362.00	1.5
53	USA Waste of Virginia Landfills - Bethel	SWP580	MSW	23,506,963.50	501,691.15	76.3
54	Virginia Beach City - Landfill No 2	SWP398	MSW	1,842,791.00	11,780.00	172
55	Waste Management Charles City Landfill	SWP531	MSW	13,842,449.50	392,289.96	76.8
56	Wise County Sanitary Landfill	SWP513	MSW	352,420.80	43,042.69	15
	TOTAL			218,732,292.64	10,008,979.09	

Attachment 3 – Capacity/Disposal Rate Detail for Virginia Landfills – 2013

CDD					
Facility Name	Permit Number	Landfill Type	Capacity in Tons as of 12/2013	Landfilled in 2013 (Tons)	Expected Remaining Life (Yrs)
CDD Landfills					
1 623 Landfill	SWP506	CDD	8,588,120.40	254,199.00	32
2 Ashcake Road Landfill, Inc.	SWP574	CDD	563,146.20	43,662.00	13
3 Centerville Turnpike CDD Landfill	SWP603	CDD	2,442,741.60	181,079.98	19
4 Country South LLC - CDD Landfill	SWP581	CDD	1,459,918.20	3,682.50	252
5 Frederick County Landfill	SWP591	CDD	2,358,675.60	30,561.36	35
6 Higgerson Buchanan Incorporated	SWP493	CDD	32,400.00	984.00	2
7 Hilltop Sand and Gravel Company Incorporated	SWP326	CDD	0.00	35,277.60	0
8 Lorton Construction Landfill	SWP331	CDD	4,351,506.00	1,065,426.00	5
9 Portsmouth City - Craney Island Landfill	SWP041	CDD	2,062,234.20	16,643.50	46.4
10 Potomac CDD Landfill	SWP441	CDD	611,400.00	102,790.00	15
11 Rainwater Landfill	SWP327	CDD	402,408.00	28,801.80	15.82
12 Taylor Road Landfill	SWP270	CDD	9,625,044.00	70,422.00	64
13 The East End Landfill	SWP524	CDD	274,230.00	227,183.94	2.69
14 Thomas Brothers Debris Landfill	SWP445	CDD	73,200.00	750.00	6
TOTAL			32,845,024.20	2,061,463.68	15.9
Non-Captive Industrial Landfills					
1 First Piedmont Corp - Ringgold	SWP065	Indus	337,329.35	128,448.09	3.1
2 John C Holland Enterprises Inc	SWP280	Indus	1,003,585.00	235,773.00	9
TOTAL			1,340,914.35	364,221.09	3.7

Summary of Remaining Capacity and Remaining Life

Facility Type	Number of Facility Type	Reported Available Capacity on 12/31/2013	Reported Annual Disposal Rate 2013	Remaining Capacity (Years)
MSW (Sanitary) Landfills	56	218,732,292.64	10,008,979.09	21.9
CDD Landfills	14	32,845,024.20	2,061,463.68	15.9
Non-Captive Industrial Landfills	2	1,340,914.35	364,221.09	3.7

Attachment 4 – Data Provided by Facilities Regarding Economic Benefits

Virginia Code § 10.1-1413.1.B provides that facility owners may provide “an accounting of the facility’s economic benefits to the locality where the facility is located, including the value of disposal and recycling facilities provided to the locality at no cost or reduced cost, direct employment associated with the facility, and other economic benefits resulting from the facility during the preceding calendar year.” The information presented below is for the 2013 calendar year.

Waste Management of Virginia reported economic benefit information for the following six solid waste management facilities: Amelia (Amelia Landfill), Charles City (Charles City Landfill), King George (King George Landfill), Sussex (Atlantic Waste Disposal Landfill), Hampton (Bethel Landfill) and Gloucester (Middle Peninsula Landfill).

Amelia (Amelia Landfill):

- Host fees of \$551,158
- Free disposal and recycling costs to localities of \$321,305
- Local/State taxes of \$102,127

Charles City (Charles City Landfill):

- Host fees of \$1,824,883
- Free disposal and recycling costs to localities of \$123,025
- Local/State taxes of \$73,826

King George (King George Landfill):

- Host fees of \$5,946,407
- Free disposal and recycling costs to localities of \$365,292
- Local/State taxes of \$90,616

Sussex (Atlantic Waste Disposal Landfill):

- Host fees of \$5,265,911
- Free disposal and recycling costs to localities of \$246,968
- Local/State taxes of \$416,938

Hampton (Bethel Landfill):

- Host fees of \$928,128
- Local/State taxes of \$101,635

Gloucester (Middle Peninsula Landfill):

- Host fees of \$328,167
- Free disposal and recycling costs to localities of \$519,920
- Local/State taxes of \$97,126

Two other solid waste management facilities reported economic benefit information.

Loudoun County Sanitary Landfill reported the following benefits to Loudoun County:

- Free or reduced cost disposal and recycling totaling \$1,527,000
- Direct employment associated with the facility of \$2,017,000

Washington County Solid Waste reported the following benefits to Washington County:

- Dollar value \$6,000 per month, \$7,500 up to \$10,000 per year
- Value of disposal and recycling at no cost or reduced cost - Facilities County wide \$1,500,000 (14 collection sites)
- Direct employment associated with the facility - 26 employees
- Other benefits resulting from the facility during the preceding calendar year – Reduce waste stream